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The Irago Conference 2014

Interdisciplinary Research And Global Outlook

アジア太平洋異分野融合研究国際会議

*360 degree outlook on
critical scientific and
technological challenges
for a sustainable society*

NOV 6-7th 2014
AIST, Tsukuba-city, Ibaraki, Japan

Core sessions:

- Medicine and Healthcare
- Energy and Environment
- Frontiers of Advanced Science and Technology

Deadline:

- Abstract: **August 31, 2014**

Publication:

- Refereed papers published in American Institute of Physics (AIP) Conference Proceedings

Chairpersons:

Noboru Yumoto (Vice-President, AIST, Japan)
Takashi Onishi (President, Toyohashi Tech)

Invited speakers:

Makoto Asashima (AIST, Japan): "A simplified view of the complexity of cell stemness, development and differentiation"

Ryoji Chubachi (AIST, Japan): "Electronics inspired strategies for basic and applied research"

Joanna Groden (College of Medicine, Columbus, USA): "Inherited susceptibility to cancer: lessons in cancer biology"

Makoto Ishida (Toyohashi University of Technology, Japan): "Interdisciplinary research at EIIRIS"

Yasuhiro Iwasawa (The University of Electro-Communications, Japan): "Intriguing insights into how catalysts behave in automobile fuel cells by advanced XAFS techniques"

Hideki Komatsu (Bridgestone Corporation, Japan): "Tire technology for the future"

Chiaki Mukai (Japan Aerospace Exploration Agency (JAXA), Japan): "Space medicine is the ultimate preventive medicine"

Yoshihiro Ohmiya (AIST, Japan): "Mystery of bioluminescence"

Anne Plant (National Institute of Standards and Technology (NIST), USA): "Measurement of biological activity of cells: challenges for research and manufacturing"

Roger Reddel (University of Sydney, Australia): "Telomeres: opportunities for targeted cancer therapies"

Jian-Ren Shen (Okayama University, Japan): "An approach to clean, renewable energy source — water oxidation by a natural catalyst photosystem II"

Shivendra Singh (University of Pittsburgh Cancer Institute, USA): "Naturally GREEN cancer chemorevention"

Renu Wadhwa (AIST, Japan): "Indian ayurvedic herb-ashwagandha for cancer treatment"

Listyani Wijayanti (The Agency for the Assessment and Application of Technology (BPPT), Indonesia): "Current status of biotechnology in Indonesia"

Shin-ichi Yamamoto (Okayama University, Japan): "Development of interdisciplinary sciences at the Okayama university — progress, trend and future prospect —"

Chae-Ok Yun (Hanyang University, Korea): "Adenovirus-mediated cancer gene therapy"



C. Mukai (JAXA)

Graduate Student Session:

The Graduate Student Session provides a platform for graduate students to present their research to experts in their fields. Talks are assessed by the audience and an AWARD will be presented to the best presentation.

Organizers:

- The National Institute of Advanced Industrial Science and Technology (AIST)
- Electronics-Inspired Interdisciplinary Research Institute (EIIRIS), Toyohashi University of Technology



独立行政法人
産業技術総合研究所



EIIRIS
Electronics-Inspired Interdisciplinary
Research Institute

The Irago Conference

The world is at a major turning point. Recent changes in global economics and industrial priorities, environmental and energy policies, food production and population movements have produced formidable challenges that must be addressed for sustaining life on earth.

The objective of this conference is to provide an 'interdisciplinary-platform' to enhance mutual understanding between scientists, engineers, policy makers, and experts from a wide spectrum of pure and applied sciences in order to resolve the daunting global issues facing mankind. In particular, the organizers would like to encourage graduate school students to participate and talk directly with internationally renowned academics, industrialists, and opinion leaders for a firsthand view of the major issues facing scientists and engineers of the 21st century.

Invited Speakers



Makoto Asashima
(AIST, Japan)

"A simplified View of the Complexity of Cell Stemness, Development and Differentiation"



Ryoji Chubachi
(AIST, Japan)

"Electronics Inspired Strategies for Basic and Applied Research"



Joanna Groden
(College of Medicine, Columbus, USA)

"Inherited Susceptibility to Cancer: Lessons in Cancer Biology"



Makoto Ishida
(Toyohashi University of Technology, Japan)

"Interdisciplinary Research at EIIRIS"



Yasuhiro Iwasawa
(The University of Electro-Communications, Japan)

"Intriguing insights into how catalysts behave in automobile fuel cells by advanced XAFS techniques"



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